ESCUELA SUPERIOR POLITECNICA DEL LITORAL

FACULTAD DE INGENIERIA EN ELECTRICIDAD Y COMPUTACION

LICENCIATURA EN REDES Y SISTEMAS OPERATIVOS

COMUNICACIÓNES DE DATOS

I TERMINO 2013-2014 SEGUNDA EVALUACION

NOMBRE: …………………………………………………………………………….…

1. Conteste a las siguientes preguntas Verdadero o Falso (10 puntos)
2. La técnica de relleno de pulsos se utilizan para sincronizar las fuentes de datos ( )
3. Con la fórmula de Friis se calcula la potencia máxima de un enlace ( )
4. En la multiplexacion FDM para “sintonizar” un canal utilizamos un filtro pasabanda ( )
5. En el método de ventana deslizante los frames no están numerados ( )
6. El Cable Modem utiliza la tecnología TDM estadístico ( )
7. El método de Chequeo de Paridad puede detectar número par de errores ( )
8. La Tecnología Celular GSM pertenece a la primera generación ( )
9. Las fibras ópticas solo utilizan LED como fuente de luz ( )
10. Un OTDR es un instrumento sirve para detectar tramos defectuosos en tendidos de fibra óptica. ( )
11. La fibra monomodo tiene mayor ancho de banda de transmisión que la multimodo y puede abarcar mayor distancia. ( )

2.- Responda a las siguientes preguntas (20 puntos)

1. Dibuje un esquema de Parar-y-Esperar
2. ¿ Que es la zona de Fresnel?
3. ¿En telefonía celular que es hand-off?

1. ¿Cuál es la diferencia en el funcionamiento entre multiplexación FDM y TDM?
2. Mencione 2 ventajas y 2 desventajas en el uso de Fibra Óptica

3.- Realizar el método de corrección de errores CRC por **lógica digital** y comprobar el resultado en el receptor por **lógica binaria**, con los siguientes datos: (20 puntos)

M(X)= X12+ X9 +X5+ X2+X+1

Generador Polinomial: X6+X5+X3+X+1



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